



City of NORFOLK

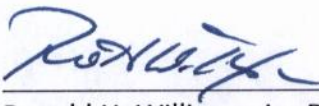
C: Dir., Public Works

To the Honorable Council
City of Norfolk, Virginia

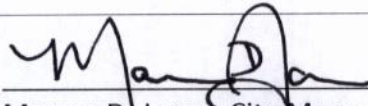
June 14, 2016

From: David L. Ricks, Director of Public Works

Subject: Encroach into the right-of-way of Lance Road with an overhead canopy

Reviewed: 
Ronald H. Williams, Jr., Deputy City Manager

Ward/Superward: 4/7

Approved: 
Marcus D. Jones, City Manager

Item Number:

R-17

I. **Recommendation:** Adopt Ordinance

II. **Applicant:** Virginia Natural Gas
1184 Lance Road
Norfolk, Virginia 23502

III. **Description:**
This agenda item is an ordinance permitting Virginia Natural Gas ("VNG") to encroach into the right-of-way of 1184 Lance Road with an overhead canopy.

IV. **Analysis**
An encroachment is an object or structure that infringes into the City of Norfolk's (the "City's") rights-of-way or property. *Norfolk City Code*, § 42-10, requires all encroachments onto City rights-of-way or property to be approved by City Council. This encroachment in this location will allow VNG to erect a canopy over existing compressed natural gas facility.

V. **Financial Impact**
Liability insurance has been provided naming the City as additional insured in the amount of \$1,000,000; therefore, there should be no financial risk to the City. The City did not charge a fee for this encroachment.

VI. **Environmental**
N/A

VII. Community Outreach/Notification

Public notification for this agenda item was conducted through the City's agenda notification process.

VIII. Board/Commission Action

The Department of Public Works and the City Attorney's Office have reviewed this request for encroachment and offer no objections. Review and approval by the Norfolk Design Review Committee and the City Planning Commission is not required.


IX. Coordination/Outreach

This letter has been coordinated with Department of Public Works, the Department of Planning and Community Development, and the City Attorney's Office.


Supporting Material from the Department of Public Works:

- Ordinance
- Exhibit A (4 sheets)

Form and Correctness Approved: 

By 
Office of the City Attorney

 Contents Approved:

By 
DEPT. Public Works

NORFOLK, VIRGINIA

ORDINANCE No.

AN ORDINANCE PERMITTING VIRGINIA NATURAL GAS TO ENCROACH INTO THE RIGHT-OF-WAY OF LANCE ROAD WITH AN OVERHEAD CANOPY.

- - -

BE IT ORDAINED by the Council of the City of Norfolk:

Section 1:- That permission is hereby granted to Virginia Natural Gas ("VNG") to encroach into the right-of-way at 1184 Lance Road with an overhead canopy 15' 6" high, as shown on Exhibit A attached hereto. Such permission being further subject to the following conditions:

- (1) That this permission is expressly subject to the right of revocation by the Council and that in the event of such revocation, VNG, or its successors and assigns, shall immediately remove the encroaching structures.
- (2) That upon the removal of the encroaching structures or any part thereof, the authority hereby granted shall cease and terminate.
- (3) That VNG, or its successors and assigns, at its own cost and expense, shall take out and keep in full force and effect during the term of the encroachment general liability insurance with a company authorized to do business in the Commonwealth of Virginia, insuring and naming the City of Norfolk ("City") as an additional insured in the amount of at least \$1,000,000.00 each occurrence and \$2,000,000.00 general aggregate against liability from claims, actions and suits that may be asserted or brought against the City and/or VNG, and its successors and assigns, for any injury to, or death of any person or persons, or for any damage to, or destruction of property resulting from the installation, maintenance, or existence of said encroaching structures, with

evidence of such insurance being provided to the City.

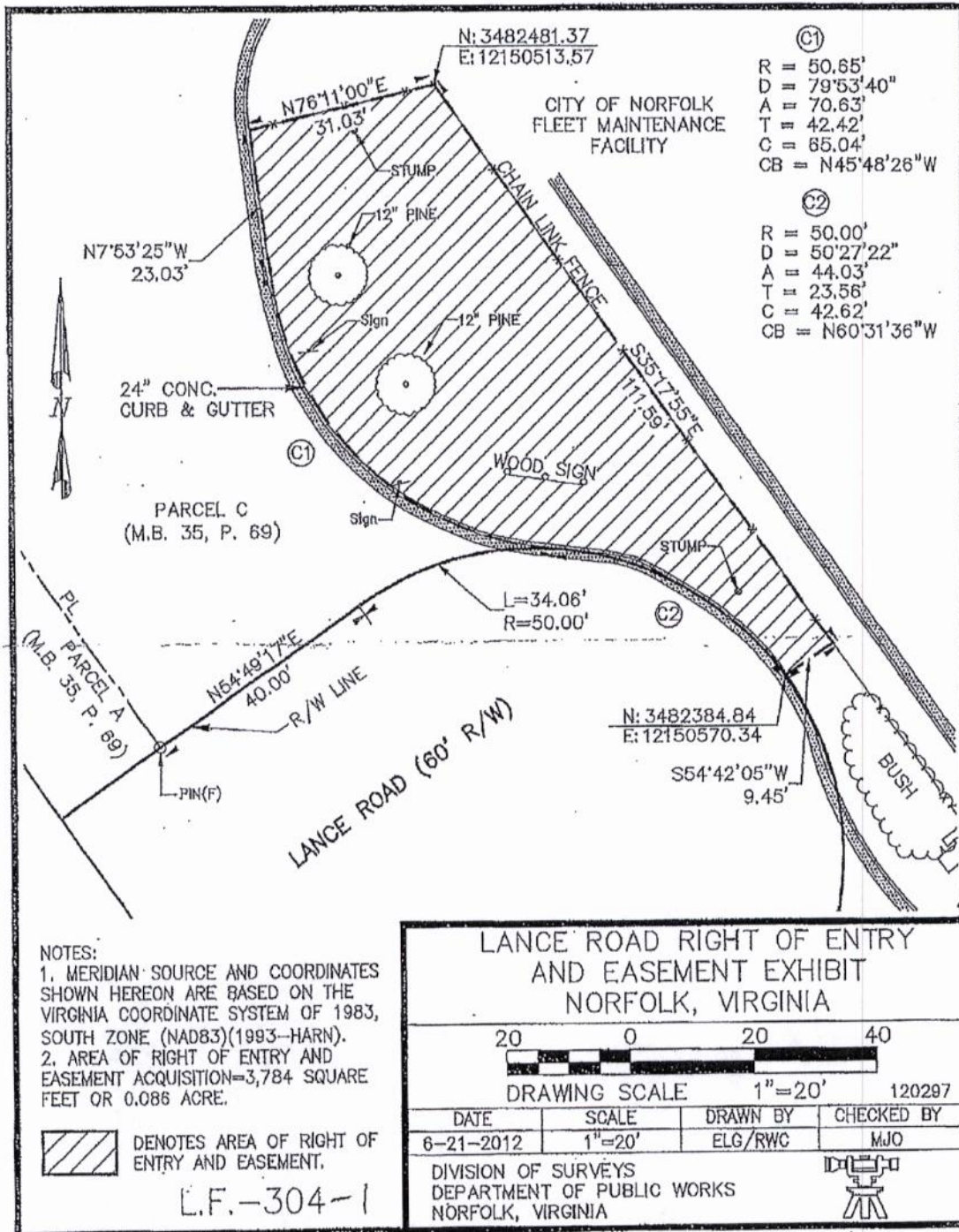
- (4) That the City shall not be responsible for any damage to the encroaching structures, including replacement and reinstallation costs, resulting from the City's operation, maintenance, repair, or replacement of any utilities located in the right-of-way at the property address of 1184 Lance Road.

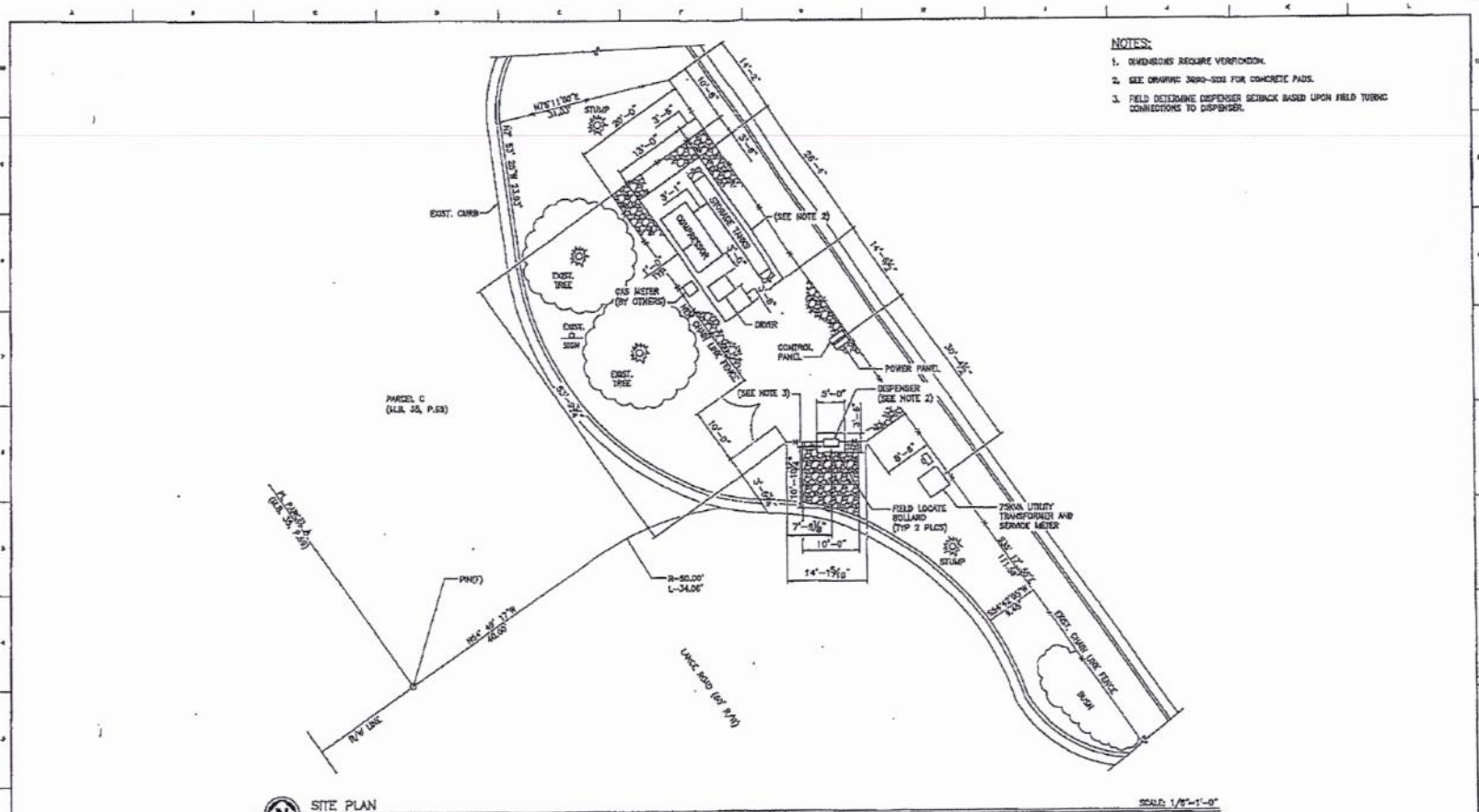
Section 2:- That the failure of VNG, or its successors and assigns, to fully comply with all requirements and conditions set forth herein shall act as an automatic revocation of the permission granted hereby.

Section 3:- That the use of the said encroaching structures shall be deemed an acceptance by VNG, and its successors and assigns, of all conditions to which the permissions herein are granted.

Section 4:- That this ordinance shall be in effect from and after its adoption.

EXHIBIT A TO ORDINANCE





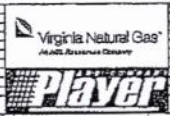
- NOTES:**
1. DIMENSIONS REQUIRE VERIFICATION.
 2. SEE DRAWING 3990-S01 FOR CONCRETE PADS.
 3. FIELD DETERMINE DISPENSER SETBACK BASED UPON FIELD TUBING CONNECTIONS TO DISPENSER.

SITE PLAN

SCALE: 1/8"=1'-0"

ISSUED FOR APPROVAL -- NOT FOR CONSTRUCTION

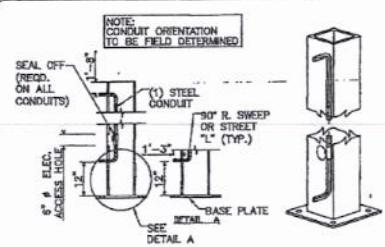
DRAWING REVISIONS		REFERENCE DRAWINGS	
1	REVISED	3990-S01	VA POWER PLAN
2	REVISED	3990-S02	VA ELECTRICAL SCHEDULE
3	REVISED	3990-S03	VA FLOODING AND OVERFLOW PLAN
4	REVISED	3990-S04	VA FLOODING AND OVERFLOW PLAN
5	REVISED	3990-S05	VA FLOODING AND OVERFLOW PLAN
6	REVISED	3990-S06	VA FLOODING AND OVERFLOW PLAN
7	REVISED	3990-S07	VA FLOODING AND OVERFLOW PLAN
8	REVISED	3990-S08	VA FLOODING AND OVERFLOW PLAN
9	REVISED	3990-S09	VA FLOODING AND OVERFLOW PLAN
10	REVISED	3990-S10	VA FLOODING AND OVERFLOW PLAN



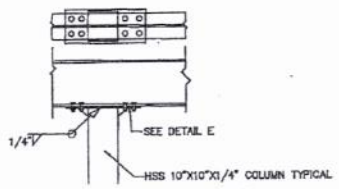
DATE	10/11/2011
TIME	10:00 AM
LOCATION	VA 3990-S01
SCALE	AS SHOWN
DATE	10/11/2011
TIME	10:00 AM
LOCATION	VA 3990-S01
SCALE	AS SHOWN

PROGRESSIVE DESIGN, INC.
Quality. Creativity. Innovation.

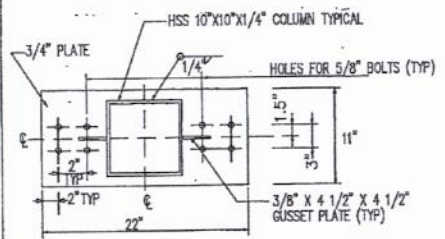
VA NATURAL GAS
CNG REFUELING STATION
SITE PLAN
3990-S01



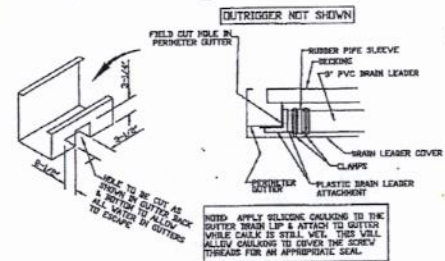
INTERNAL CONDUIT DETAIL
(1) CONDUIT



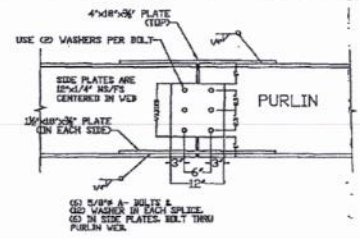
COLUMN-BEAM CONNECTION
(A)



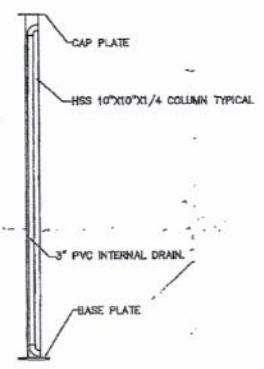
CAP PLATE DETAIL
(E)



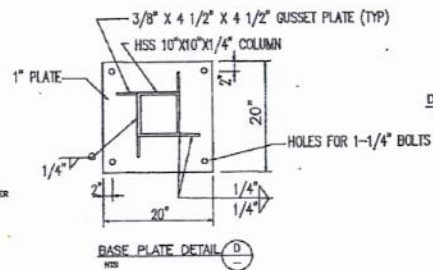
GUTTER CONNECTION DETAILS



PURLIN WEB SPlice DETAIL
(F REQUIRED)

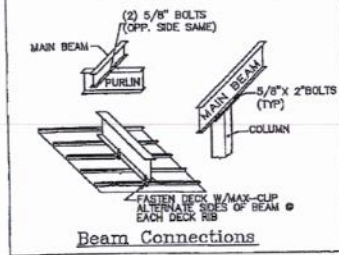


COLUMN DETAIL
(B)

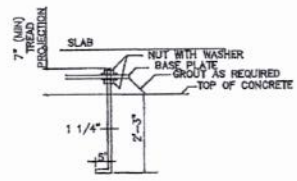
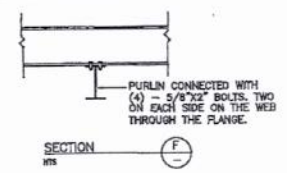


BASE PLATE DETAIL
(D)

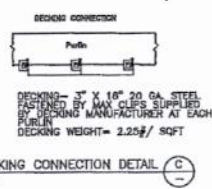
TYPICAL DETAILS



Beam Connections



ANCHOR BOLT DETAIL
(G)

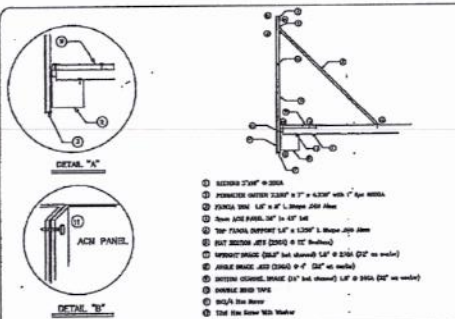


DECKING CONNECTION DETAIL
(C)



1/12/16

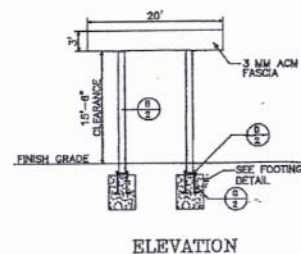
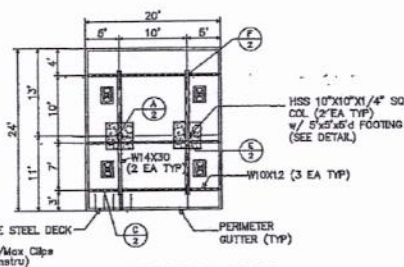
FRAMING SCHEDULE		
COL.	-- SEE PLAN	
BEAM	-- SEE PLAN	
PURLIN	-- SEE PLAN	
FOOTING DESIGN:		
CONSTRAINED CONDITION		
LATERAL BEARING PRESSURE	100 PSF/FT	
MAX. END BEARING PRESSURE	1500 PSF	
EXTEND FOOTING BELOW FROST LINE		
CONCRETE: (PER ACI 318-11) - 3000 PSI STRENGTH (MIN)		
28 DAYS		
BOLTS		
BOLTS SHALL CONFORM TO ASTM A325 FOR STRUCTURAL STEEL CONNECTIONS. BOLTS SHALL BE TIGHTENED PER AISC TURN OF THE NUT METHOD, U.N.O.		
STEEL		
1. ERECTION OF STEEL STRUCTURE SHALL BE PERFORMED PER ALL AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) ERECTION PROVISIONS.		
2. STRUCTURAL STEEL SHALL CONFORM TO:		
Wide Flange Beams - ASTM A572, Grade 50, Fy = 50 KSI		
Structural Angles and Channel - ASTM A36, Fy = 36 KSI		
Structural Plate - ASTM A572, Grade 50, Fy = 50 KSI		
Structural Tubing - ASTM A500, Grade B, Fy = 50 KSI		
Structural Pipe - ASTM A572, Grade 50, Fy = 46 KSI		
REBAR - ASTM A615, Grade 60, Fy = 60 KSI		
WELDS		
ALL WELDED CONNECTIONS SHALL BE IN ACCORDANCE WITH LATEST AWS SPECIFICATIONS, USING E70XX ELECTRODES. ALL WELDING SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER.		
ROOF PANELS		
20 GA. ROLLED FORM STEEL DECKING INSTALLED W/ MAX CLIPS PER MFR. INSTRUCTIONS, U.N.O.		
FOUNDATIONS		
ANCHOR BOLTS ARE 1-1/4" X 36"		
SEE FOOTING PLANS FOR DETAILS.		
GROUT		
Factory Package - ASTM 108		
Non-Corrosive and Non-Staining		
To be mixed with water for consistency suitable for application and 30 minute working time.		
ALL WORK TO BE IN ACCORDANCE WITH THE 2012 VUSBO		
PHILLIPS ALUMINUM CO.		
3032 POLYVILLE ROAD		
SHELBY, NORTH CAROLINA 28150		
(704) 487-7999 FAX (704) 487-1832		
PREPARED FOR		
J&F Norfolk		
LOCATION		
1184 Lance Rd		
Norfolk, VA 23502		
SCALE		
ITS	503	2 OF 2



FASCIA DETAIL

LEGEND

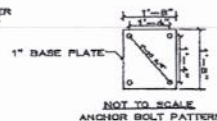
- 1. CANOPY LIGHT FIXTURE
- 2. WIRE TO BE DETERMINED AND PROVIDED BY OTHERS
- 3. TYP OF 4
- 4. EXACT LOCATION TO BE FIELD DETERMINED
- 5. (MARKED BY OTHERS)



FOOTING DETAIL (U.N.O.)

FOUNDATION NOTES

1. FOOTINGS ARE DESIGNED TO BEAR ON SOIL WITH A MINIMUM ALLOWABLE BEARING PRESSURE OF 1,500 POUNDS PER SQUARE FOOT.
2. ANCHOR BOLTS ARE 1-1/4" DIA. - FOUR EACH PER FOOTING.
3. ANCHOR BOLT PATTERN IS 16" ON CENTER.
4. IF FILL IS USED IT SHALL BE GRANULAR, STRUCTURAL FILL COMPACTED TO 100% MODIFIED PROCTOR.



FRAMING SCHEDULE

- COL. - SEE PLAN
- BEAM - SEE PLAN
- PURLIN - SEE PLAN
- DESIGN LOADS: (PER ASCE 7-10 & IBC 2012)
- BUILDING STRUCTURE TYPE I
- 1803.1.1 FLOOR LIVE LOAD: N/A
- 1803.1.2 ROOF LIVE LOAD: 15 PSF
- DEAD & COLLATERAL LOAD: 10 PSF
- TOTAL ROOF DESIGN LOAD: 25 PSF
- 1803.1.3 ROOF SNOW LOAD:
- SNOW LOAD (S_s) = 1.0
- IMPORTANCE FACTOR (I) = 1.0
- GROUND SNOW LOAD (P_g) = 15 PSF
- FLAT ROOF SNOW LOAD (P_f) = 15 PSF
- 1803.1.4 WIND LOAD:
- ULTIMATE DESIGN WIND SPEED, V_E (3 SEC DWT): 115 MPH
- NOMINAL DESIGN WIND SPEED, V_E (3 SEC DWT): 115 MPH
- WIND EXPOSURE II
- INTERNAL PRESSURE COEFFICIENT (C_{pi}): 0.00
- EXTERNAL PRESSURE COEFFICIENT (C_{pe}): 0.00
- CONCENTRIC AND ECCENTRIC
- DESIGN WIND PRESSURE (P_w): 23.1 PSF
- EARTHQUAKE LOAD DESIGN DATA
- SEISMIC IMPORTANCE FACTOR (I_s): 1.0
- MAPPED SPECTRAL RESPONSE ACCELERATIONS
- S_s=0.093 g S_m=0.146 g
- S₁=0.048 g S_{m1}=0.114 g
- SITE CLASS "D"
- SPECTRAL RESPONSE COEFFICIENTS
- S_{ds}=0.089 S_{d1}=0.078
- SEISMIC DESIGN CATEGORY: A
- BASIC SEISMIC FORCE RESISTING SYSTEM: CONCRETE COLUMN
- DESIGN BASE SHEAR (V): 0.11 KIPS / COLUMN (AAC)
- RESPONSE MODIFICATION FACTOR (R): 1.25
- EQUVALENT LATERAL FORCE ANALYSIS PROCEDURE USED
- SEISMIC RESPONSE COEFFICIENT (C_s): .031

FOOTING DESIGN

- CONSTRAINED CONDITION
- LATERAL BEARING PRESSURE: 100 PSF/FT
- MAX END BEARING PRESSURE: 1500 PSF
- EXTENDING FOOTING BELOW FROST LINE

CONCRETE: (PER ACI 318-11) - 3000 PSI STRENGTH (MIN)
@ 28 DAYS

BOLTS

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Structural Angles and Channel - ASTM A36, F_y = 36 KSI
Structural Plate - ASTM A572, Grade 50, F_y = 50 KSI
Structural Tubing - ASTM A500, Grade B, F_y = 50 KSI
Structural Pipe - ASTM A572, Grade C, F_y = 48 KSI
REBAR - ASTM A615, GRADE 60, F_y = 60 KSI

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FOUNDATIONS

- ANCHOR BOLTS ARE 1-1/4" X 38"
- SEE FOOTING PLANS FOR DETAILS.

GROUND

- Factory Packings - ASTM 109
- Non-Corrosive and Non-Glazing
- To be mixed with water for consistency suitable for application and 30 minutes working time.

ALL WORK TO BE IN ACCORDANCE WITH THE 2012 USBC

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PREPARED FOR